SMALL OFF-ROAD EQUIPMENT FUEL TANK CERTIFICATION
(APPLICABLE TO ENGINES/EQUIPMENT ≤ 80 cc)
Certification Summary Sheet

Date Created:
Date Modified:

1. Model Year:
2a. Manufacturer:
2b. EPA Assigned Manufacturer Code:
3. Application Type: New
4. Exhaust/Evaporative Family Name:
5. Executive Order:

2c) Manufacturer Contact	2d) Production Plant Location/Contact
Contact:	Contact:
Title:	Title:
Company:	Company:
Address:	Address:
City, State, Zip	City, State, Zip
Phone No.:	Phone No.:
Fax No.:	Fax No.:
Email:	Email:

6. Confidential Information
a) Projected California sales(units): _____ b) Projected 50-State Sales (units): _____
c) Introduction into commerce date: _____

7. Exemptions
a) Is this an exempt fuel tank under section 2766(a) ? ☐ Yes* ☒ No
b) If exempt, specify the tank type: ☐ Metal tank ☐ Coextruded multilayer tank
☐ Structurally integrated nylon fuel tank Innovative Product Executive Order #: _____

*** For exempt tanks, permeation data is not required to be submitted in the certification application (Go to #17).**

8. Test Information
a) New Testing? _ __
b) Test Engine or Equipment Model: _____
c) Test Fuel: _____
d) Test Procedure: _____
e) If carry over/carry across, from evaporative family:___ __
f) Test Equipment ID: Snabc12345___
g) Alternate Test Procedure approval number: _____

9. Special Test Equipment

No

10. Test No.	11. Type (Certification (CTG) or Confirmatory (RTG))	Official Fuel Tank Permeation Test Results**		
		12. Test Completion Date	13. Certification Test Result ($gr/m^2/day$)	14. Fuel Tank Permeation Standard ($gr/m^2/day$)

**** Permeation rates must be reported to two significant digits.**

15. Remarks:

16. Equipment Type:

___ Walk-Behind Lawnmower	___ Generator Set	___ Ice Auger
___ Riding Mower	___ Snowblower	___ Commercial Turf
___ Tractor	___ Non-Backpack Blower	___ Edger
___ Compressor	__ Backpack Blower	___ Brushcutter
___ Pump	__ Line Trimmer	___ Chainsaw
___ Hedge Trimmer	___ Pressure Washer	___ Leaf Blower/Vacuum
___ Stump Beater	___Tiller	___ Go-Cart
___ Other_____		

Processed By: | Date Processed | Reviewed By: | Date Reviewed:

Supplementary Information

MODEL SUMMARY (Use an asterisk (*) to identify “worst-case” engine or equipment model used for certification testing.)

17. Worst Case	18. Engine or Equipment Model	19. Sales Codes (Check all appropriate)			20. Fuel Tank Vol. (liters)	21. Fuel Tank Internal Surf. Area (m^2)
		Calif. Only	49-State	50-State		

22. Fuel Tank Material: _____

23. Fuel Tank Treatment Type: _____

24. Fuel Tank Unique Properties:_____

25. LABELING:
Permeation emission label format approved? No___ Yes ___ If yes, reference approval:_____
Sample label attached? No____ Yes (put label in #28)___

26. WARRANTY: Fuel Tank emission warranty approved? No__ (Provide full warranty statement in #29)
Yes ___ (Reference approval: _____)

27. Have any changes been made since the last approval? No___ Yes ____ If yes, provide an explanation of the changes:

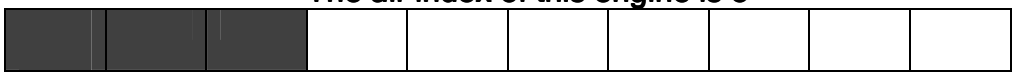
_____
_____
_____
_____
_____

28. PERMEATION EMISSION LABEL INFORMATION

IMPORTANT EMISSIONS INFORMATION
ABC COMPANY
THIS ENGINE MEETS 2007 CALIFORNIA EXH AND EVP
EMISSION REGULATIONS FOR SMALL OFF-ROAD ENGINES
EF: 7ABCS.0651XX
DOM: JULY 2007
SPARK PLUG GAP: .037-.041"
DISPLACEMENT: 65 CC.
EMISSION CONTROL SYSTEM: EM
NO OTHER ADJUSTMENTS NEEDED

Air Index Label

The air index of this engine is 3



Most Clean **Least Clean**

Note: The lower the Air Index, the less pollution

This engine is certified to be emissions compliant for the following use:

Moderate	**Intermediate**	Extended
[ ](50 hours)	**[X]**(125 hours)	**[ ]**(300 hours)

Check the owner's manual for further details.

Field Data Sheet
(Trip Blank Correction)

30. Tank Manufacturer: _____

31. Tank I.D: _____

32. Tested By: _____

33. Water Bath Test (pass/fail): _____

34. Tank Internal Surface Area (meter^2): _____

Full Tank Data

35. Start Date	36. Start Time	37. End Date	38. End Time	39. Initial Weight W_{if} (grams)	40. Final Weight W_{ff} (grams)	41. Difference D_f (grams)	42. Weight Loss Wl (grams)

$Wl = (W_{if} - D_f)$, $D_f = (W_{ff} + D_e)$, $D_e = (W_{ie} - W_{fe})$

Empty Tank Data

43. Start Date	44. Start Time	45. End Date	46. End Time	47. Initial Weight W_{ie} (grams)	48. Final Weight W_{fe} (grams)	49. Difference D_e (grams)	50. %RH	51. Baro. Pres.

Note: This process is repeated until the correlation coefficient (R^2), from a plot of 10 consecutive 24 hour cycles, is 95% or greater (If 95 % or Greater PASS, if not FAIL). May include final correlation coefficient in item 52.

52. ADDITIONAL INFORMATION AND COMMENTS (for tanks soaked less than 140 days, submit fuel tank soak data, Figure 1 of TP-901 (Test Procedure for Determining Permeation Emission from Small Off-Road Engines and Equipment Fuel Tanks) and the calculated correlation coefficient. This applies to tanks that are soaked at non-elevated temperature (30 ℃ ± 10 ℃) for less than 140 days and tanks with a nominal wall thickness of greater than 0.2" (5 mm) that are soaked at an elevated temperature (40 ℃ ± 2 ℃) for less than 140 days):

Summary of Certification: Followed TP-901 test procedures.
Correlation Coefficient (R2) determined from Field Data Sheet =

Evaporative Component Parts Summary Sheet (≤ 80 cc)

MODEL SUMMARY

18. Engine or Equipment Model	20a. Fuel Tank Part Number(s)